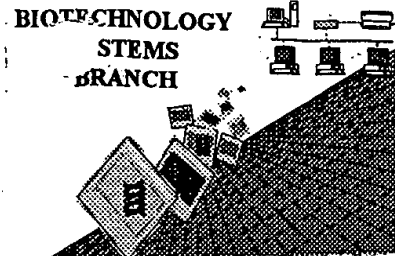


11/15/02

1600

CRF Problem Report



#8

The Scientific and Technical Information Center (STIC) experienced a problem when processing the following computer readable form (CRF):

Application Serial Number: 09/691,344
Filing Date: 10/18/2000
Date Processed by STIC: 2/15/2002

STIC Contact: Mark Spencer, 703-308-4212

Nature of Problem:

The CRF (was):

- ☒ (circle one) Damaged or Unreadable (for Unreadable, see attached)
☐ Blank (no files on CRF) (see attached)
☐ Empty file (filename present, but no bytes in file) (see attached)
☐ Virus-infected. Virus name: _____ The STIC will not process the CRF.
☐ Not saved in ASCII text
☐ Sequence Listing was embedded in the file. According to Sequence Rules, submitted file should **only** be the Sequence Listing.
☐ Did not contain a Sequence Listing. (see attached sample)
☐ Other: _____

**PLEASE USE THE CHECKER VERSION 3.1 PROGRAM TO REDUCE ERRORS.
SEE BELOW FOR ADDRESS:**

<http://www.uspto.gov/web/offices/pac/checker>

→ Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel-Service , or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

R. Mitra

11

5/15/02



1653

RAW SEQUENCE LISTING

DATE: 05/15/2002

PATENT APPLICATION: US/09/691,344A

TIME: 10:59:03

Input Set : N:\Crf3\Refhold\I691344A.raw

Output Set: N:\CRF3\05152002\I691344A.raw

ENTERED

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1 <110> APPLICANT: Donoho, Gregory
2      Turner, C. Alexander Jr.
3      Nehls, Michael
4      Friedrich, Glenn
5      Zambrowicz, Brian
6      Sands, Arthur T.
7 <120> TITLE OF INVENTION: Novel Human Proteins and Polynucleotides
8      Encoding the Same
9 <130> FILE REFERENCE: LEX-0071-USA
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/691,344A
C--> 11 <141> CURRENT FILING DATE: 2000-10-18
12 <150> PRIOR APPLICATION NUMBER: US 60/160,285
13 <151> PRIOR FILING DATE: 1999-10-19
14 <150> PRIOR APPLICATION NUMBER: US 60/183,583
15 <151> PRIOR FILING DATE: 2000-02-18
16 <160> NUMBER OF SEQ ID NOS: 7
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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21 <212> TYPE: DNA
22 <213> ORGANISM: homo sapiens
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26      acctgtgctt ctgactatct tctcttcacc agctcttcag atcaatatgg tccatactgt      180
27      ggaagtatga ctgttcccaa agaactcttg ttgaacacaa gtgaagtaac cgtccgcttt      240
28      gagagtggat cccacatttc tggccggggt tttttgctga cctatgcgag cagcgaccat      300
29      ccagatttaa taacatgttt ggaacgagct agccattatt tgaagacaga atacagcaaa      360
30      ttctgcccag ctggttgtag agacgtagca ggagacattt ctgggaatat ggtagatgga      420
31      tatagagata cctcttttatt gtgcaaagct gccatccatg caggaataat tgctgatgaa      480
32      ctaggtggcc agatcagtggt gcttcagcgc aaagggatca gtcgatatga agggattctg      540
33      gccaatggtg ttcttttcgag ggatggttcc ctgtcagaca agcgatttct gtttacctcc      600
34      aatggttgca gcagatcctt gagttttgaa cctgacgggc aaatcagagc ttcttcctca      660
35      tggcagtcgg tcaatgagag tggagaccaa gttcactggt ctccctggcca agcccagctt      720
36      caggaccaag gccatcatg ggcctcgggc gacagtagca acaaccacaa accacgagag      780
37      tggctggaga tcgatttggg ggagaaaaag aaaataacag gaattaggac cacaggatct      840
38      acacagtcga acttcaactt ttatgttaag agttttgtga tgaacttcaa aaacaataat      900
39      tctaagtgga agacctataa aggaattgtg aataatgaag aaaagggtgtt tcagggtaac      960
40      tctaactttc gggaccaggt gcaaaaacaat ttcattccctc ccacgtgtgc cagatatgtg      1020
41      cgggttgctc cccagacatg gcaccagagg atagccttga aggtggagct cattggttgc      1080
42      cagattacac aaggtaatga ttcatgtgtg tggcgcaaga caagtcaaag caccagtgtt      1140
43      tcaactaaga aagaagatga gacaatcaca aggccatcc cctcggaaga aacatccaca      1200
44      ggaataaaca ttacaacggt ggctattcca ttggtgctcc ttggtgtcct ggtgtttgct      1260

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RAW SEQUENCE LISTING

DATE: 05/15/2002

PATENT APPLICATION: US/09/691,344A

TIME: 10:59:03

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Output Set: N:\CRF3\05152002\I691344A.raw

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47      tcagctgagt ttaccatcag ctatgataat gagaaggaga tgacacaaaa gttagatctc      1440
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52 <212> TYPE: PRT
53 <213> ORGANISM: homo sapiens
54 <400> SEQUENCE: 2
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58      20          25          30
59      Gly Asp Leu Asp Ile Glu Ser Gln Thr Cys Ala Ser Asp Tyr Leu Leu
60      35          40          45
61      Phe Thr Ser Ser Ser Asp Gln Tyr Gly Pro Tyr Cys Gly Ser Met Thr
62      50          55          60
63      Val Pro Lys Glu Leu Leu Leu Asn Thr Ser Glu Val Thr Val Arg Phe
64      65          70          75          80
65      Glu Ser Gly Ser His Ile Ser Gly Arg Gly Phe Leu Leu Thr Tyr Ala
66      85          90          95
67      Ser Ser Asp His Pro Asp Leu Ile Thr Cys Leu Glu Arg Ala Ser His
68      100         105         110
69      Tyr Leu Lys Thr Glu Tyr Ser Lys Phe Cys Pro Ala Gly Cys Arg Asp
70      115         120         125
71      Val Ala Gly Asp Ile Ser Gly Asn Met Val Asp Gly Tyr Arg Asp Thr
72      130         135         140
73      Ser Leu Leu Cys Lys Ala Ala Ile His Ala Gly Ile Ile Ala Asp Glu
74      145         150         155         160
75      Leu Gly Gly Gln Ile Ser Val Leu Gln Arg Lys Gly Ile Ser Arg Tyr
76      165         170         175
77      Glu Gly Ile Leu Ala Asn Gly Val Leu Ser Arg Asp Gly Ser Leu Ser
78      180         185         190
79      Asp Lys Arg Phe Leu Phe Thr Ser Asn Gly Cys Ser Arg Ser Leu Ser
80      195         200         205
81      Phe Glu Pro Asp Gly Gln Ile Arg Ala Ser Ser Ser Trp Gln Ser Val
82      210         215         220
83      Asn Glu Ser Gly Asp Gln Val His Trp Ser Pro Gly Gln Ala Arg Leu
84      225         230         235         240
85      Gln Asp Gln Gly Pro Ser Trp Ala Ser Gly Asp Ser Ser Asn Asn His
86      245         250         255
87      Lys Pro Arg Glu Trp Leu Glu Ile Asp Leu Gly Glu Lys Lys Lys Ile
88      260         265         270
89      Thr Gly Ile Arg Thr Thr Gly Ser Thr Gln Ser Asn Phe Asn Phe Tyr
90      275         280         285
91      Val Lys Ser Phe Val Met Asn Phe Lys Asn Asn Asn Ser Lys Trp Lys
92      290         295         300
93      Thr Tyr Lys Gly Ile Val Asn Asn Glu Glu Lys Val Phe Gln Gly Asn
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RAW SEQUENCE LISTING

DATE: 05/15/2002

PATENT APPLICATION: US/09/691,344A

TIME: 10:59:03

Input Set : N:\Crf3\Refhold\I691344A.raw

Output Set: N:\CRF3\05152002\I691344A.raw

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96                      325                      330                      335
97      Ala Arg Tyr Val Arg Val Val Pro Gln Thr Trp His Gln Arg Ile Ala
98                      340                      345                      350
99      Leu Lys Val Glu Leu Ile Gly Cys Gln Ile Thr Gln Gly Asn Asp Ser
100                     355                     360                     365
101      Leu Val Trp Arg Lys Thr Ser Gln Ser Thr Ser Val Ser Thr Lys Lys
102                     370                     375                     380
103      Glu Asp Glu Thr Ile Thr Arg Pro Ile Pro Ser Glu Glu Thr Ser Thr
104                     385                     390                     395                     400
105      Gly Ile Asn Ile Thr Thr Val Ala Ile Pro Leu Val Leu Leu Val Val
106                     405                     410                     415
107      Leu Val Phe Ala Gly Met Gly Ile Phe Ala Ala Phe Arg Lys Lys Lys
108                     420                     425                     430
109      Lys Lys Gly Ser Pro Tyr Gly Ser Ala Glu Ala Gln Lys Thr Asp Cys
110                     435                     440                     445
111      Trp Lys Gln Ile Lys Tyr Pro Phe Ala Arg His Gln Ser Ala Glu Phe
112                     450                     455                     460
113      Thr Ile Ser Tyr Asp Asn Glu Lys Glu Met Thr Gln Lys Leu Asp Leu
114                     465                     470                     475                     480
115      Ile Thr Ser Asp Met Ala Gly
116                     485
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119 <211> LENGTH: 1761
120 <212> TYPE: DNA
121 <213> ORGANISM: homo sapiens
122 <400> SEQUENCE: 3
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125      aagctggcgc ccagcggggt catggtgccc ggcgcgcgcg gcggcggcgc actggcgcgg      180
126      gctgccgggc ggggcctcct ggctttgctg ctgcgggtct ccgccccgct ccggctgcag      240
127      gcggaggagc tgggtgatgg ctgtggacac ctagtgaact atcaggatag tggcacaatg      300
128      acatctaaga attatcccgg gacctacccc aatcacactg tttgcgaaaa gacaattaca      360
129      gtaccaaagg ggaaaagact gattctgagg ttgggagatt tggatatcga atcccagacc      420
130      tgtgcttctg actatcttct ctaccaccgc tcttcagatc aatatggtcc atactgtgga      480
131      agtatgactg ttcccaaaga actcttggtg aacacaagtg aagtaaccgt ccgctttgag      540
132      agtggatccc acattttctgg ccgggggttt ttgctgacct atgcgagcag cgaccatcca      600
133      gatttaataa catgtttgga acgagctagc cattatttga agacagaata cagcaaattc      660
134      tgcccagctg gttgtagaga cgtagcagga gacatttctg ggaatatggt agatggatat      720
135      agagatacct ctttattgtg caaagctgcc atccatgcag gaataattgc tgatgaacta      780
136      ggtggccaga tcagtgtgct tcagcgcaaa gggatcagtc gatatgaagg gattctggcc      840
137      aatggtgttc tttcgaggga tggttccctg tcagacaagc gatttctggt tacctccaat      900
138      ggttgcagca gatccttgag ttttgaacct gacgggcaaa tcagagcttc ttccctcatgg      960
139      cagtcggtca atgagagtgg agaccaagtt cactggtctc ctggccaagc ccgaacttcag      1020
140      gaccaaggcc catcatgggc ttcgggcgac agtagcaaca accacaaacc acgagagtgg      1080
141      ctggagatcg atttggggga gaaaaagaaa ataacaggaa ttaggaccac aggatctaca      1140
142      cagtcgaact tcaactttta tgttaagagt tttgtgatga acttcaaaaa caataattct      1200
143      aagtgaaga cctataaagg aattgtgaat aatgaagaaa aggtgtttca gggtaactct      1260
144      aactttcggg acccagtga aaacaatttc atccctccca tcgtggccag atatgtgcgg      1320

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RAW SEQUENCE LISTING

DATE: 05/15/2002

PATENT APPLICATION: US/09/691,344A

TIME: 10:59:04

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Output Set: N:\CRF3\05152002\I691344A.raw

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147      actaagaaag aagatgagac aatcacaagg cccatcccct cggaagaaac atccacagga      1500
148      ataaacatta caacggtggc tattccattg gtgctccttg ttgtcctggg gtttgctgga      1560
149      atggggatct ttgcagcctt tagaaagaag aagaagaaag gaagtccgta tggatcagcg      1620
150      gaggtcaga aaacagactg ttggaagcag attaaatata cctttgccag acatcagtca      1680
151      gctgagttta ccatcagcta tgataatgag aaggagatga cacaaaagtt agatctcatc      1740
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155 <211> LENGTH: 586
156 <212> TYPE: PRT
157 <213> ORGANISM: homo sapiens
158 <400> SEQUENCE: 4
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161      Ser Ser Ala Glu Glu Ala Ala Arg Pro Gly Gln Leu Arg Leu Gly Ile
162           20           25           30
163      Arg Arg Gly Glu Ala Glu Leu Ala Lys Leu Ala Pro Ser Gly Val Met
164           35           40           45
165      Val Pro Gly Ala Arg Gly Gly Gly Ala Leu Ala Arg Ala Ala Gly Arg
166           50           55           60
167      Gly Leu Leu Ala Leu Leu Leu Ala Val Ser Ala Pro Leu Arg Leu Gln
168           65           70           75           80
169      Ala Glu Glu Leu Gly Asp Gly Cys Gly His Leu Val Thr Tyr Gln Asp
170           85           90           95
171      Ser Gly Thr Met Thr Ser Lys Asn Tyr Pro Gly Thr Tyr Pro Asn His
172           100          105          110
173      Thr Val Cys Glu Lys Thr Ile Thr Val Pro Lys Gly Lys Arg Leu Ile
174           115          120          125
175      Leu Arg Leu Gly Asp Leu Asp Ile Glu Ser Gln Thr Cys Ala Ser Asp
176           130          135          140
177      Tyr Leu Leu Phe Thr Ser Ser Ser Asp Gln Tyr Gly Pro Tyr Cys Gly
178           145          150          155          160
179      Ser Met Thr Val Pro Lys Glu Leu Leu Leu Asn Thr Ser Glu Val Thr
180           165          170          175
181      Val Arg Phe Glu Ser Gly Ser His Ile Ser Gly Arg Gly Phe Leu Leu
182           180          185          190
183      Thr Tyr Ala Ser Ser Asp His Pro Asp Leu Ile Thr Cys Leu Glu Arg
184           195          200          205
185      Ala Ser His Tyr Leu Lys Thr Glu Tyr Ser Lys Phe Cys Pro Ala Gly
186           210          215          220
187      Cys Arg Asp Val Ala Gly Asp Ile Ser Gly Asn Met Val Asp Gly Tyr
188           225          230          235          240
189      Arg Asp Thr Ser Leu Leu Cys Lys Ala Ala Ile His Ala Gly Ile Ile
190           245          250          255
191      Ala Asp Glu Leu Gly Gly Gln Ile Ser Val Leu Gln Arg Lys Gly Ile
192           260          265          270
193      Ser Arg Tyr Glu Gly Ile Leu Ala Asn Gly Val Leu Ser Arg Asp Gly
194           275          280          285

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RAW SEQUENCE LISTING

DATE: 05/15/2002

PATENT APPLICATION: US/09/691,344A

TIME: 10:59:04

Input Set : N:\Crf3\Refhold\I691344A.raw

Output Set: N:\CRF3\05152002\I691344A.raw

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198	305					310					315					320
199	Gln	Ser	Val	Asn	Glu	Ser	Gly	Asp	Gln	Val	His	Trp	Ser	Pro	Gly	Gln
200					325					330					335	
201	Ala	Arg	Leu	Gln	Asp	Gln	Gly	Pro	Ser	Trp	Ala	Ser	Gly	Asp	Ser	Ser
202				340					345					350		
203	Asn	Asn	His	Lys	Pro	Arg	Glu	Trp	Leu	Glu	Ile	Asp	Leu	Gly	Glu	Lys
204			355					360					365			
205	Lys	Lys	Ile	Thr	Gly	Ile	Arg	Thr	Thr	Gly	Ser	Thr	Gln	Ser	Asn	Phe
206	370						375					380				
207	Asn	Phe	Tyr	Val	Lys	Ser	Phe	Val	Met	Asn	Phe	Lys	Asn	Asn	Asn	Ser
208	385					390					395					400
209	Lys	Trp	Lys	Thr	Tyr	Lys	Gly	Ile	Val	Asn	Asn	Glu	Glu	Lys	Val	Phe
210					405					410					415	
211	Gln	Gly	Asn	Ser	Asn	Phe	Arg	Asp	Pro	Val	Gln	Asn	Asn	Phe	Ile	Pro
212				420					425					430		
213	Pro	Ile	Val	Ala	Arg	Tyr	Val	Arg	Val	Val	Pro	Gln	Thr	Trp	His	Gln
214			435					440					445			
215	Arg	Ile	Ala	Leu	Lys	Val	Glu	Leu	Ile	Gly	Cys	Gln	Ile	Thr	Gln	Gly
216	450						455					460				
217	Asn	Asp	Ser	Leu	Val	Trp	Arg	Lys	Thr	Ser	Gln	Ser	Thr	Ser	Val	Ser
218	465					470					475					480
219	Thr	Lys	Lys	Glu	Asp	Glu	Thr	Ile	Thr	Arg	Pro	Ile	Pro	Ser	Glu	Glu
220					485					490					495	
221	Thr	Ser	Thr	Gly	Ile	Asn	Ile	Thr	Thr	Val	Ala	Ile	Pro	Leu	Val	Leu
222				500					505					510		
223	Leu	Val	Val	Leu	Val	Phe	Ala	Gly	Met	Gly	Ile	Phe	Ala	Ala	Phe	Arg
224			515					520					525			
225	Lys	Lys	Lys	Lys	Lys	Gly	Ser	Pro	Tyr	Gly	Ser	Ala	Glu	Ala	Gln	Lys
226	530						535					540				
227	Thr	Asp	Cys	Trp	Lys	Gln	Ile	Lys	Tyr	Pro	Phe	Ala	Arg	His	Gln	Ser
228	545					550					555					560
229	Ala	Glu	Phe	Thr	Ile	Ser	Tyr	Asp	Asn	Glu	Lys	Glu	Met	Thr	Gln	Lys
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241	tgtggacacc	tagtgactta	tcaggatagt	ggcacaatga	catctaagaa	ttatcccggg										180
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VERIFICATION SUMMARY

DATE: 05/15/2002

PATENT APPLICATION: US/09/691,344A

TIME: 10:59:05

Input Set : N:\Crf3\Refhold\I691344A.raw

Output Set: N:\CRF3\05152002\I691344A.raw

L:10 M:270 C: Current Application Number differs, Wrong Format

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date